

APPENDIX 6

**SCRUB AND PUB (H) – 1917 CAMANCHE AVENUE,
CLINTON**

**PHOTOS, MAPS, TABLES, WELL LOGS/WELL
CONSTRUCTION DIAGRAMS, & ANALYTICAL
DATA SHEETS**



Scrub and Pub Property, 1917 Camanche Avenue

CAMANICHE AVENUE

SIDEWALK

B9 ● B13 ● B12 ●

B10 ● B8/MW2 ◆ B7 ●

B11 ●

SCRUB & PUB

GRAVEL DRIVE

B4 ● B6 ● B5 GRASS

B3/MW3 ◆ B2 ● B1/MW1 ◆

GRASS

JAMES GOLENVAUX PROPERTY
2019 COMANCHE

ALLEY

◆ MONITORING WELL
● SOIL BORING LOCATION



FILE NAME:
CLINTON UST
PROJECT NO:
6246500
SITE: CLINTON UST FIELDS
JEFFREY MINNER PROPERTY
1917 CAMANCHE - CLINTON, IOWA
SITE PLAN MAP



Seneca
Environmental Services

FIGURE 8

LUST NUMBER:
N/A

REVIEWED BY:
SF
DRAWN BY:
RLH

REVISIONS:
01/19/05

DATE: 06/08/04

SCALE:
1" = 40'

**CLINTON USTFIELDS
SCRUB AND PUB PROPERTY
1917 CAMANCHE AVE
(H)**

WELL/ BH LABEL	DATE	SOIL/GW	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE	TEH- DIESEL	TEH- WASTE OIL	MTBE	GROUND SURFACE ELEVATION	TOC	TOS	SOIL SAMPLE DEPTH	WATER LEVEL
B1	7/20/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	8	NA
B2	7/20/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	7	NA
B3	7/20/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	6	NA
B4	7/20/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	7	NA
B5	7/20/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	7	NA
B6	7/20/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	8	NA
B7	7/21/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	7	NA
B8	7/21/2004	Soil	<0.005	0.013	<0.005	0.034	<10	<10	<0.015	NA	NA	NA	7	NA
B9	7/21/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	10	NA
B10	7/21/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	10	NA
B11	7/21/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	8	NA
B12	7/21/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<0.015	NA	NA	NA	6	NA
B13	7/21/2004	Soil	<0.005	<0.005	<0.005	0.028	<10	<10	<0.015	NA	NA	NA	6	NA
MW1	10/6/2004	GW	<2	<2	<2	<6	<380	<380	<2	602.57	602.16	595.16	NA	588.45
MW2	10/6/2004	GW	<1	<1	<1	<3	<380	<380	<1	604.82	604.5	597.5	NA	592.61
MW3	10/6/2004	GW	<1	<1	<1	<3	<380	477	<1	603.59	603.21	596.21	NA	588.07
MW3	11/16/2004	GW	N	N	N	N	<380	<380	N	603.59	603.21	596.21	NA	589.11

Soil Results: Units = mg/kg
Groundwater Results: Units = ug/L

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B1/MW1	Facility Name: Clinton UST Fields—Scrub and Pub	Facility Street Address: 1917 Camanche, Clinton, IA
Boring Depth (ft) X Diameter (in): 17' x 4 1/4"		Drilling Method: Hollow Stem Auger / Air Hammer
Well Contractor Name: Robinson Contracting, Inc /Geosource Registration Number: 40617/1413		Logged by: Todd Felderman SENECA

Ground Surface Elevation (ASL): 602.57	Top of Casing Elevation (ASL): 602.16
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Date: 7/20/04 Start Time: 3:15 pm	Date: 9/15/2004 End Time: 3:00 PM	UST Number: N/A	LUST Number: N/A
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Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No. Type*	PID / FID Reading	Rock Formations, Soil Color and Classifications, Observations (moisture, odor, etc.) First column for USCS	
- 0					Surface Cover-Topsoil	
- 1		0			CL 0'-2' Black Silty Clay	
- 2		0			2-5' Yellow Layered Rock	
- 3		0			5'-8' Soft Yellow Layered Rock, Dry no odor	
- 4		0			Bedrock @ 8'	
- 5		0				
- 6		0				
- 7		0				
- 8		0*		HSA		Soil Sample @ 8'
- 9						Well Set at 17'
- 10						7' Riser, 10' Screen
- 11						
- 12						Soil Drilled to 8' 7/20/04
- 13						Bedrock drilled from 8 to 17' 9/15/04
- 14						
- 15						
- 16						
- 17						
- 18						
- 19						
- 20	Well completed with 2" SCH 40 PVC with 10-slot, 10' screen.					

* SS (split spoon) HS (hollow stem auger)

Observations	Date:	10/06/2004			
Water Levels (ASL)	Level:	588.45			
Static Water Level Symbol v	Time:	10 AM			

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B8/MW2	Facility Name: Clinton UST Fields—Scrub and Pub	Facility Street Address: 1917 Camanche, Clinton, IA
Boring Depth (ft) X Diameter (in): 17' x 4 1/4"		Drilling Method: Hollow Stem Auger / Air Hammer
Well Contractor Name: Robinson Contracting, Inc./Geosource Registration Number: 40617/1413		Logged by: Todd Felderman SENECA

Ground Surface Elevation (ASL): 604.82	Top of Casing Elevation (ASL): 604.50
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Date: 7/21/04 Start Time: 6:30 am	Date: 9/15/2004 End Time: 11:00 AM	UST Number: N/A	LUST Number: N/A
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Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No. Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
- 0				0	Surface Cover-Concrete
- 1				0	1-2' Sand/Brick Fill
- 2				0	CL 2-3' Black Silty Clay
- 3				0	CL 3-5' Brown Silty Clay
- 4				0	5-7' Soft Yellow Rock, Layered
- 5				0	Bedrock @ 7'
- 6				0	EOB= 7'
- 7				0*	Soil Sample @ 7'
- 8				HSA	Well Set at 17'
- 9					7' Riser, 10' Screen
- 10					Soil Drilled to 7' 7/21/04
- 11					Bedrock drilled from 7 to 17' 9/15/04
- 12					
- 13					
- 14					
- 15					
- 16					
- 17					
- 18					
- 19					
- 20	Well completed with 2" SCH 40 PVC with 10-slot, 10' screen.				

* SS (split spoon) HS (hollow stem auger)

Observations	Date:	10/06/2004			
Water Levels (ASL)	Level:	592.61			
Static Water Level Symbol v	Time:	10 AM			

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B3/MW3	Facility Name: Clinton UST Fields—Scrub and Pub	Facility Street Address: 1917 Camanche, Clinton, IA
Boring Depth (ft) X Diameter (in): 17' x 4 1/4"		Drilling Method: Hollow Stem Auger / Air Hammer
Well Contractor Name: Robinson Contracting, Inc /Geosource Registration Number: 40617/1413		Logged by: Todd Felderman SENECA

Ground Surface Elevation (ASL): 603.59	Top of Casing Elevation (ASL): 603.21
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Date: 7/20/04 Start Time: 4:15 pm	Date: 9/15/2004 End Time: 4:00 PM	UST Number: N/A	LUST Number: N/A
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Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No. Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS	
- 0				0	Surface Cover-Topsoil	
- 1		0		0	SP 1-4' Sand Fill	
- 2		0		0	CL 4-6' Brown Silty Clay, no odor, damp	
- 3		0		0		
- 4		0		0		
- 5		0		0		
- 6		0*		HSA	0*	Bedrock @ 6'
- 7						EOB= 6'
- 8						Soil Sample @ 6'
- 9						Well Set at 17'
- 10						7' Riser, 10' Screen
- 11						
- 12						
- 13						
- 14						Soil Drilled to 6' 7/20/04
- 15						Bedrock drilled from 6' to 17' 9/15/04
- 16						
- 17						
- 18						
- 19						
- 20	Well completed with 2" SCH 40 PVC with 10-slot, 10' screen.					

* SS (split spoon) HS (hollow stem auger)

Observations	Date:	10/06/2004			
Water Levels (ASL)	Level:	588.07			
Static Water Level Symbol v	Time:	10 AM			

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B2		Facility Name: Clinton UST Fields—Scrub and Pub		Facility Street Address: 1917 Camanche, Clinton, IA			
Boring Depth (ft) X Diameter (in): 7.5' x 8.25"				Drilling Method: HSA			
Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617				Logged by: Todd Felderman			
Ground Surface Elevation (ASL): N/A			Top of Casing Elevation (ASL): N/A				
Date: 7/20/04 Start Time: 3:45 pm		Date: 7/20/04 End Time: 4:15 pm		UST Number N/A	LUST Number N/A		
Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS	
0	Monitoring Well Not Installed Boring Backfilled with Bentonite					Surface Cover-Topsoil	
1					0	CL 1'-2' Black Silty Clay	
2					0	SW 2-4' Sand and Rock Fill	
3					0	CL 4-6' Silty Clay, no odor	
4					0	6-7.5' Layered yellow rock	
5					0	Bedrock @ 7.5'	
6					0	EOB= 7.5'	
7				1	HSA	0*	Soil Sample @ 7'
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab) 0

Observations	Date:	7/20/04				
Water Levels (ASL)	Level:	--				
Static Water Level Symbol v	Time:	--				

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B4	Facility Name: Clinton UST Fields—Scrub and Pub	Facility Street Address: 1917 Camanche, Clinton, IA
Boring Depth (ft) X Diameter (in): 7' x 8.25"		Drilling Method: HSA
Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617		Logged by: Todd Felderman

Ground Surface Elevation (ASL): N/A	Top of Casing Elevation (ASL): N/A
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Date: 7/20/04	Date: 7/20/04	UST	LUST
Start Time: 4:45 pm	End Time: 5:15 pm	Number N/A	Number N/A

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS	
0	Monitoring Well Not Installed Boring Backfilled with Bentonite					Surface Cover-Gravel	
1					0	ML 1-2' Black Silt, Dry, No odor	
2					0		
3					0		
4					0	2-4' Fill	
5					0		
6					0	CL 4-7' Brown Silty Clay, damp, no odor	
7				1	HSA	0*	Bedrock @ 7'
8							EOB= 7'
9							Soil Sample @ 7'
10							
11							
12							
13							
14							
15							
16							
17							

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab) 0

Observations	Date:	7/20/04				
Water Levels (ASL)	Level:	-				
Static Water Level Symbol v	Time:	-				

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B5	Facility Name: Clinton UST Fields—Scrub and Pub	Facility Street Address: 1917 Camanche, Clinton, IA
Boring Depth (ft) X Diameter (in): 7' x 8.25"		Drilling Method: HSA
Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617		Logged by: Todd Felderman

Ground Surface Elevation (ASL): N/A	Top of Casing Elevation (ASL): N/A
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Date: 7/20/04	Date: 7/20/04	UST Number N/A	LUST Number N/A
Start Time: 5:15 pm	End Time: 5:45 pm		

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
0	Monitoring Well Not Installed Boring Backfilled with Bentonite					Surface Cover-Gravel
1					0	ML 1-2' Black Silt, Dry, No odor
2					0	
3					0	
4					0	SP 2-4' Sand
5					0	CL 4-5' Brown Silty Clay,
6					0	5-7' Yellow Rock, Layered, No Odor
7				1	HSA	0*
8						Bedrock @ 7'
9						EOB= 7'
10						Soil Sample @ 7'
11						
12						
13						
14						
15						
16						
17						

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab) 0

Observations	Date:	7/20/04				
Water Levels (ASL)	Level:	-				
Static Water Level Symbol v	Time:	-				

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B6		Facility Name: Clinton UST Fields—Scrub and Pub		Facility Street Address: 1917 Camanche, Clinton, IA			
Boring Depth (ft) X Diameter (in): 8' x 8.25"				Drilling Method: HSA			
Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617				Logged by: Todd Felderman			
Ground Surface Elevation (ASL): N/A			Top of Casing Elevation (ASL): N/A				
Date: 7/20/04 Start Time: 5:45 pm		Date: 7/20/04 End Time: 6:00 pm		UST Number N/A	LUST Number N/A		
Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Type*	PID / FID Reading	Rock Formations, Soil Color and Classifications, Observations (moisture, odor, etc.) First column for USCS	
0	Monitoring Well Not Installed Boring Backfilled with Bentonite					Surface Cover-Gravel	
1					0	SP 1-4' Sand	
2					0		
3					0	4-5' Concrete	
4					0	CL 5-7' Brown Silty Clay, no odor, damp	
5					0		
6					0	5-8' Yellow Rock, Layered,	
7					0	Bedrock @ 8'	
8				1	HSA	0*	EOB= 8'
9							Soil Sample @ 8'
10							
11							
12							
13							
14							
15							
16							
17							

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab) 0

Observations	Date:	7/20/04			
Water Levels (ASL)	Level:	--			
Static Water Level Symbol v	Time:	--			

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B7	Facility Name: Clinton UST Fields—Scrub and Pub	Facility Street Address: 1917 Camanche, Clinton, IA
Boring Depth (ft) X Diameter (in): 7.5' x 8.25"		Drilling Method: HSA
Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617		Logged by: Todd Felderman

Ground Surface Elevation (ASL): N/A	Top of Casing Elevation (ASL): N/A
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Date: 7/21/04	Date: 7/21/04	UST Number N/A	LUST Number N/A
Start Time: 6:00 am	End Time: 6:30 am		

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS	
0	Monitoring Well Not Installed Boring Backfilled with Bentonite					Surface Cover-Concrete	
1					0	SP 1-2' Sand	
2					0		
3					0	CL 2-5' Brown Silty Clay, no odor, dry	
4					0		
5					0	5-7.5' Soft Yellow Rock, Layered	
6					0		
7				1	HSA	0*	Bedrock @ 7.5'
8							EOB= 7.5'
9							Soil Sample @ 7'
10							
11							
12							
13							
14							
15							
16							
17							

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab) 0

Observations	Date:	7/21/04				
Water Levels (ASL)	Level:	—				
Static Water Level Symbol v	Time:	—				

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B9	Facility Name: Clinton UST Fields—Scrub and Pub	Facility Street Address: 1917 Camanche, Clinton, IA
Boring Depth (ft) X Diameter (in): 10' x 8.25"		Drilling Method: HSA
Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617		Logged by: Todd Felderman

Ground Surface Elevation (ASL): N/A	Top of Casing Elevation (ASL): N/A
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Date: 7/21/04	Date: 7/21/04	UST	LUST
Start Time: 7:15 am	End Time: 8:00 am	Number N/A	Number N/A

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS	
0	Monitoring Well Not Installed Boring Backfilled with Bentonite					Surface Cover-Concrete	
1					0	ML 1-2' Sand/Silt Dry	
2					0		
3					0	CL 2-3' Black Silty Clay	
4					0	CL 3-5' Dark Brown Silty Clay, no odor	
5					0		
6					0	SP 5-6' Sand	
7					0		
8					0	CL 6-8' Brown Silty Clay	
9					0	8-10' Fractured yellow rock	
10				1	HSA	0*	Bedrock @ 10'
11							EOB = 10'
12							Soil Sample @ 10'
13							
14							
15							
16							
17							

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab) 0

Observations	Date:	7/21/04				
Water Levels (ASL)	Level:	--				
Static Water Level Symbol v	Time:	--				

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B10

Facility Name: Clinton UST
Fields—Scrub and Pub

Facility Street Address: 1917
Camanche, Clinton, IA

Boring Depth (ft) X Diameter (in): 10' x 8.25"

Drilling Method: HSA

Well Contractor Name: Robinson Contracting, Inc.

Logged by: Todd Felderman

Registration Number: 40617

Ground Surface

Top of Casing

Elevation (ASL): N/A

Elevation (ASL): N/A

Date: 7/21/04

Date: 7/21/04

UST

LUST

Start Time: 8:00 am

End Time: 8:30 am

Number N/A

Number N/A

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample		PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS	
			No.	Type*			
0	Monitoring Well Not Installed Boring Backfilled with Bentonite					Surface Cover-Concrete	
1					0	ML 1-2' Sand/Silt Dry	
2					0		
3					0		
4					0	CL 2-6' Dark Brown Silty Clay, no odor, damp	
5					0		
6					0	6-10' Fractured yellow rock, soft, no odor	
7					0		
8					0	Bedrock @ 10'	
9					0		
10				1	HSA	0*	EOB = 10'
11							Soil Sample @ 10'
12							
13							
14							
15							
16							
17							

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab) 0

Observations	Date:	7/21/04				
Water Levels (ASL)	Level:	--				
Static Water Level Symbol v	Time:	--				

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B11	Facility Name: Clinton UST Fields—Scrub and Pub	Facility Street Address: 1917 Camanche, Clinton, IA
Boring Depth (ft) X Diameter (in): 8' x 8.25"		Drilling Method: HSA
Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617		Logged by: Todd Felderman

Ground Surface Elevation (ASL): N/A	Top of Casing Elevation (ASL): N/A
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Date: 7/21/04	Date: 7/21/04	UST	LUST
Start Time: 8:30 am	End Time: 9:00 am	Number N/A	Number N/A

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No. Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS	
0	Monitoring Well Not Installed Boring Backfilled with Bentonite				Surface Cover-Concrete	
1				0	ML 1-2' Silt Dry	
2				0		
3				0		
4				0	CL 2-5' Dark Brown Silty Clay, no odor, damp	
5				0		
6				0	5-8' Yellow rock, soft, no odor	
7				0		
8				1	HSA	Bedrock @ 8'
9						EOB = 8'
10						Soil Sample @ 8'
11						
12						
13						
14						
15						
16						
17						

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab) 0

Observations	Date:	7/21/04			
Water Levels (ASL)	Level:	-			
Static Water Level Symbol v	Time:	-			

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B12	Facility Name: Clinton UST Fields—Scrub and Pub	Facility Street Address: 1917 Camanche, Clinton, IA
Boring Depth (ft) X Diameter (in): 7' x 8.25"		Drilling Method: HSA
Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617		Logged by: Todd Felderman

Ground Surface Elevation (ASL): N/A	Top of Casing Elevation (ASL): N/A
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Date: 7/21/04	Date: 7/21/04	UST Number N/A	LUST Number N/A
Start Time: 9:00 am	End Time: 9:30 am		

Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS	
0	Monitoring Well Not Installed Boring Backfilled with Bentonite					Surface Cover-Concrete	
1						0	
2						0	CL 1-5' Dark Brown Silty Clay, no odor, damp
3						0	
4						0	SP 5-6' Sand
5						0	6-7' Cobbles
6						0	Bedrock @ 7'
7				1	HSA	0*	EOB = 7'
8							Soil Sample @ 6'
9							
10							
11							
12							
13							
14							
15							
16							
17							

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab) 0

Observations	Date:	7/21/04				
Water Levels (ASL)	Level:	--				
Static Water Level Symbol v	Time:	--				

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring / Well Number: B13		Facility Name: Clinton UST Fields—Scrub and Pub		Facility Street Address: 1917 Camanche, Clinton, IA			
Boring Depth (ft) X Diameter (in): 6' x 8.25"				Drilling Method: HSA			
Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617				Logged by: Todd Felderman			
Ground Surface Elevation (ASL): N/A			Top of Casing Elevation (ASL): N/A				
Date: 7/21/04 Start Time: 9:30 am		Date: 7/21/04 End Time: 10:00 am		UST Number N/A	LUST Number N/A		
Depth (feet)	Well Construction Details	Blow Count if applicable	Sample No.	Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS	
0	Monitoring Well Not Installed Boring Backfilled with Bentonite					Surface Cover-Topsoil	
1					0	SP 1-2' Sand	
2					0	CL 2-5' Dark Brown Silty Clay, no odor, damp	
3					0		
4					0		
5					0	5-6' Cobbles	
6				1	HSA	0*	Bedrock @ 6'
7							EOB = 6'
8							Soil Sample @ 6'
9							
10							
11							
12							
13							
14							
15							
16							
17							

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab) 0

Observations	Date:	7/21/04				
Water Levels (ASL)	Level:	—				
Static Water Level Symbol v	Time:	—				

ANALYTICAL REPORT

Susan Frett
SENECA ENVIRONMENTAL SERV.
17851 244th Avenue
Bettendorf, IA 52722

08/02/2004

TestAmerica Job: 04.09865

Project Number: 6246500
Project: Clinton UST - Scrub & Pub

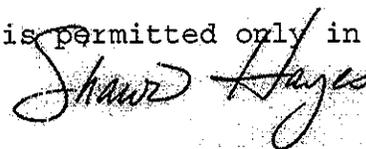
Enclosed is the Analytical and Quality Control reports for the following samples submitted to the Cedar Falls Division of TestAmerica, Inc. for analysis.

<u>Sample Number</u>	<u>Sample Description</u>	<u>Date Taken</u>	<u>Date Received</u>
813331	B1 8'	07/20/2004	07/23/2004
813332	B2 7'	07/20/2004	07/23/2004
813333	B3 6'	07/20/2004	07/23/2004
813334	B4 7'	07/20/2004	07/23/2004
813335	B5 7'	07/20/2004	07/23/2004
813336	B6 8'	07/20/2004	07/23/2004
813337	B7 7'	07/21/2004	07/23/2004
813338	B8 7'	07/21/2004	07/23/2004
813339	B9 10'	07/21/2004	07/23/2004
813340	B10 10'	07/21/2004	07/23/2004
813341	B11 8'	07/21/2004	07/23/2004
813342	B12 6'	07/21/2004	07/23/2004
813343	B13 6'	07/21/2004	07/23/2004

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.



Shawn Hayes
Project Manager

ANALYTICAL REPORT

Susan Frett
 SENECA ENVIRONMENTAL SERV.
 17851 244th Avenue

08/02/2004

Job Number: 04..09865

Bettendorf, IA 52722
 800-728-6900

Sample Number: 813331

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI - SCRUB & PUB
 6246500

Date Taken: 07/20/2004

Sample ID: B1 8'

Date Received: 07/23/2004

<u>Analyte</u>	<u>Result</u>	<u>Result</u>		<u>Analyst</u>	<u>Date Analyzed</u>	<u>Method</u>	<u>Quantitation</u>	
		<u>Units</u>	<u>Flag</u>				<u>Limit</u>	<u>Matrix</u>
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Xylenes, Total	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
MIBK	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep. soil	COMPLETE			krb	07/26/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis

ANALYTICAL REPORT

Susan Frett
 SENECA ENVIRONMENTAL SERV.
 17851 244th Avenue

Bettendorf, IA 52722
 800-728-6900

08/02/2004

Job Number: 04.09865

Sample Number: 813332

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI - SCRUB & PUB
 6246500

Date Taken: 07/20/2004

Sample ID: B2 71

Date Received: 07/23/2004

<u>Analyte</u>	<u>Result</u>	<u>Result</u>		<u>Analyst</u>	<u>Date Analyzed</u>	<u>Method</u>	<u>Quantitation</u>	
		<u>Units</u>	<u>Flag</u>				<u>Limit</u>	<u>Matrix</u>
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	08/02/2004	IA OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	08/02/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	08/02/2004	IA OA-1/8260B	0.005	SOIL
Xylenes, Total	<0.015	mg/kg		mmk	08/02/2004	IA OA-1/8260B	0.015	SOIL
MIBK	<0.015	mg/kg		mmk	08/02/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep. soil	COMPLETE			krb	07/26/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis.

ANALYTICAL REPORT

Susan Frett
 SENECA ENVIRONMENTAL SERV.
 17851 244th Avenue

08/02/2004

Job Number: 04..09865

Bettendorf, IA 52722
 800-728-6900

Sample Number: 813333

Collected by: Todd Felderman

Collectors Phone No : 800-369-3500

Job Description: CLINTON USI - SCRUB & PUB
 6246500

Date Taken: 07/20/2004

Sample ID: B3 6'

Date Received: 07/23/2004

<u>Analyte</u>	<u>Result</u>	<u>Result</u>		<u>Analyst</u>	<u>Date Analyzed</u>	<u>Method</u>	<u>Quantitation</u>	
		<u>Units</u>	<u>Flag</u>				<u>Limit</u>	<u>Matrix</u>
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Xylenes, Total	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
MIBK	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep, soil	COMPLETE			kzb	07/26/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		ann	07/30/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		ann	07/30/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ann	07/30/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		ann	07/30/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis

ANALYTICAL REPORT

Susan Frett
 SENECA ENVIRONMENTAL SERV.
 17851 244th Avenue

08/02/2004

Job Number: 04.09865

Bettendorf, IA 52722
 800-728-6900

Sample Number: 813334

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI - SCRUB & PUB
 6246500

Date Taken: 07/20/2004

Sample ID: B4 7'

Date Received: 07/23/2004

<u>Analyte</u>	<u>Result</u>	<u>Result</u>		<u>Analyst</u>	<u>Date Analyzed</u>	<u>Method</u>	<u>Quantitation</u>	
		<u>Units</u>	<u>Flag</u>				<u>Limit</u>	<u>Matrix</u>
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Xylenes, Total	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
MIBB	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep, soil	COMPLETE			krb	07/26/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis.

ANALYTICAL REPORT

Susan Frett
 SENECA ENVIRONMENTAL SERV.
 17851 244th Avenue

08/02/2004

Job Number: 04.09865

Bettendorf, IA 52722
 800-728-6900

Sample Number: 813335

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI - SCRUB & PUB
 6246500

Date Taken: 07/20/2004

Sample ID: B5 7'

Date Received: 07/23/2004

Analyte	Result	Result		Analyst	Date Analyzed	Method	Quantitation	
		Units	Flag				Limit	Matrix
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.005	SOIL
Xylenes, Total	<0.015	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.015	SOIL
MIBK	<0.015	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.015	SOIL
Extraction Prep, soil	COMPLETE			krb	07/26/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		amn	07/30/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis

ANALYTICAL REPORT

Susan Frett
 SENECA ENVIRONMENTAL SERV.
 17851 244th Avenue

Bettendorf, IA 52722
 800-728-6900

08/02/2004

Job Number: 04.09865

Sample Number: 813336

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI - SCRUB & PUB
 6246500

Date Taken: 07/20/2004

Sample ID: B6 8'

Date Received: 07/23/2004

Analyte	Result	Result		Analyst	Date Analyzed	Method	Quantitation	
		Units	Flag				Limit	Matrix
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Xylenes, Total	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
MIBK	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep. soil	COMPLETE			krb	07/26/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		amn	07/31/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		amn	07/31/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		amn	07/31/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		amn	07/31/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis

ANALYTICAL REPORT

Susan Frett
 SENECA ENVIRONMENTAL SERV..
 17851 244th Avenue

08/02/2004

Job Number: 04..09865

Bettendorf, IA 52722
 800-728-6900

Sample Number: 813337

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI - SCRUB & PUB
 6246500

Date Taken: 07/21/2004

Sample ID: B7 7'

Date Received: 07/23/2004

<u>Analyte</u>	<u>Result</u>	<u>Result</u>		<u>Analyst</u>	<u>Date Analyzed</u>	<u>Method</u>	<u>Quantitation</u>	
		<u>Units</u>	<u>Flag</u>				<u>Limit</u>	<u>Matrix</u>
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.005	SOIL
Xylenes, Total	<0.015	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.015	SOIL
MIBK	<0.015	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.015	SOIL
Extraction Prep. soil	COMPLETE			acm	07/27/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis

ANALYTICAL REPORT

Susan Frett
 SENECA ENVIRONMENTAL SERV.
 17851 244th Avenue

08/02/2004

Job Number: 04.09865

Bettendorf, IA 52722
 800-728-6900

Sample Number: 813338

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINION USI - SCRUB & PUB
 6246500

Date Taken: 07/21/2004

Sample ID: B8 7'

Date Received: 07/23/2004

<u>Analyte</u>	<u>Result</u>	<u>Result</u>		<u>Analyst</u>	<u>Date Analyzed</u>	<u>Method</u>	<u>Quantitation</u>	
		<u>Units</u>	<u>Flag</u>				<u>Limit</u>	<u>Matrix</u>
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.005	SOIL
Toluene	0.013	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.005	SOIL
Xylenes, Total	0.034	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.015	SOIL
MIBE	<0.015	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.015	SOIL
Extraction Prep. soil	COMPLETE			acm	07/27/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		ljm	07/29/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis

ANALYTICAL REPORT

Susan Frett
 SENECA ENVIRONMENTAL SERV.
 17851 244th Avenue

Bettendorf, IA 52722
 800-728-6900

08/02/2004

Job Number: 04.09865

Sample Number: 813339

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI - SCRUB & PUB
 6246500

Date Taken: 07/21/2004

Sample ID: B9 10'

Date Received: 07/23/2004

Analyte	Result	Result		Analyst	Date Analyzed	Method	Quantitation	
		Units	Flag				Limit	Matrix
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Xylenes, Total	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
MIBE	<0.015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep. soil	COMPLETE			acm	07/28/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis.

ANALYTICAL REPORT

Susan Frett
 SENECA ENVIRONMENTAL SERV.
 17851 244th Avenue

08/02/2004

Job Number: 04 09865

Bettendorf, IA 52722
 800-728-6900

Sample Number: 813340

Collected by: Todd Felderman

Collectors Phone No : 800-369-3500

Job Description: CLINTON USI - SCRUB & PUB
 6246500

Date Taken: 07/21/2004

Sample ID: B10 10'

Date Received: 07/23/2004

<u>Analyte</u>	<u>Result</u>	<u>Result</u>		<u>Analyst</u>	<u>Date Analyzed</u>	<u>Method</u>	<u>Quantitation</u>	
		<u>Units</u>	<u>Flag</u>				<u>Limit</u>	<u>Matrix</u>
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0 005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Toluene	<0 005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0 005	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.005	SOIL
Xylenes, Total	<0 015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
MIBE	<0 015	mg/kg		mmk	07/31/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep, soil	COMPLETE			acm	07/28/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis.

ANALYTICAL REPORT

Susan Frett
 SENECA ENVIRONMENTAL SERV.
 17851 244th Avenue

Bettendorf, IA 52722
 800-728-6900

08/02/2004

Job Number: 04.09865

Sample Number: 813341

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI - SCRUB & PUB
 6246500

Date Taken: 07/21/2004

Sample ID: B11 8'

Date Received: 07/23/2004

<u>Analyte</u>	<u>Result</u>	<u>Result</u>		<u>Analyst</u>	<u>Date Analyzed</u>	<u>Method</u>	<u>Quantitation</u>	
		<u>Units</u>	<u>Flag</u>				<u>Limit</u>	<u>Matrix</u>
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.005	SOIL
Xylenes, Total	<0.015	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.015	SOIL
MIBK	<0.015	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.015	SOIL
Extraction Prep, soil	COMPLETE			acm	07/28/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis.

ANALYTICAL REPORT

Susan Frett
 SENECA ENVIRONMENTAL SERV.
 17851 244th Avenue

08/02/2004

Job Number: 04.09865

Bettendorf, IA 52722
 800-728-6900

Sample Number: 813342

Collected by: Todd Felderman

Collectors Phone No : 800-369-3500

Job Description: CLINTON USI - SCRUB & PUB
 6246500

Date Taken: 07/21/2004

Sample ID: B12 6'

Date Received: 07/23/2004

Analyte	Result	Result		Analyst	Date Analyzed	Method	Quantitation	
		Units	Flag				Limit	Matrix
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.005	SOIL
Xylenes Total	<0.015	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.015	SOIL
MIBK	<0.015	mg/kg		mmk	07/31/2004	IA-OA-1/8260B	0.015	SOIL
Extraction Prep, soil	COMPLETE			acm	07/28/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis

ANALYTICAL REPORT

Susan Frett
 SENECA ENVIRONMENTAL SERV.
 17851 244th Avenue

08/02/2004

Job Number: 04..09865

Bettendorf, IA 52722
 800-728-6900

Sample Number: 813343

Collected by: Todd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI - SCRUB & PUB
 6246500

Date Taken: 07/21/2004

Sample ID: B13 6'

Date Received: 07/23/2004

<u>Analyte</u>	<u>Result</u>	<u>Result</u>		<u>Analyst</u>	<u>Date Analyzed</u>	<u>Method</u>	<u>Quantitation</u>	
		<u>Units</u>	<u>Flag</u>				<u>Limit</u>	<u>Matrix</u>
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	08/01/2004	IA OA-1/8260B	0.005	SOIL
Toluene	<0.005	mg/kg		mmk	08/01/2004	IA OA-1/8260B	0.005	SOIL
Ethylbenzene	<0.005	mg/kg		mmk	08/01/2004	IA OA-1/8260B	0.005	SOIL
Xylenes Total	0.028	mg/kg		mmk	08/01/2004	IA OA-1/8260B	0.015	SOIL
MIBK	<0.015	mg/kg	I	mmk	08/01/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep, soil	COMPLETE			acm	07/28/2004	IOWA-OA2		SOIL
EXTRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL
Motor Oil	<10	mg/kg		ljm	07/30/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis.
 I - LCS recovery is outside of control limits

TestAmerica Job Number: 04.09865

ATTACHMENTS

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For questions regarding this report, please contact the individual who signed the analytical report.

ANALYTICAL REPORT

07/21/2006

Mark Diehl
SENECA ENVIRONMENTAL SERV.
17851 244th Avenue
Bettendorf, IA 52722

10/19/2004

TestAmerica Job: 04.14175

Project Number: 6246500
Project: Clinton UST-Scub N Pub

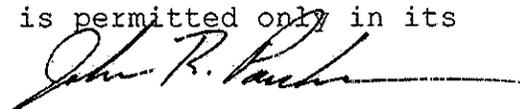
Enclosed is the Analytical and Quality Control reports for the following samples submitted to the Cedar Falls Division of TestAmerica, Inc. for analysis.

<u>Sample Number</u>	<u>Sample Description</u>	<u>Date Taken</u>	<u>Date Received</u>
829620	MW1	10/06/2004	10/08/2004
829621	MW2	10/06/2004	10/08/2004
829622	MW3	10/06/2004	10/08/2004

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.



John R. Paulson
Project Coordinator

ANALYTICAL REPORT

Mark Diehl
 SENECA ENVIRONMENTAL SERV.
 17851 244th Avenue

10/19/2004

Job Number: 04.14175

Bettendorf, IA 52722
 800-728-6900

Sample Number: 829620

Collected by: Mark Diehl

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USI-SCRUB N PUB
 3246500

Date Taken: 10/06/2004

Sample ID: MW1

Date Received: 10/08/2004

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Result</u>		<u>Date</u>		<u>Quantitation</u>	
			<u>Flag</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Method</u>	<u>Limit</u>	<u>Matrix</u>
USI VOLATILE COMPOUNDS - 8260			R					
Benzene	<2.0	ug/l		sjn	10/13/2004	IA OA-1/8260B	2.0	WATER
Toluene	<2.0	ug/l		sjn	10/13/2004	IA OA-1/8260B	2.0	WATER
Ethylbenzene	<2.0	ug/l		sjn	10/13/2004	IA OA-1/8260B	2.0	WATER
Xylenes	<6.0	ug/l		sjn	10/13/2004	IA OA-1/8260B	6.0	WATER
MIBK	<2.0	ug/l		sjn	10/13/2004	IA OA-1/8260B	2.0	WATER
Extraction Prep	COMPLETE			acm	10/08/2004	IOWA-OA2		WATER
EXTRACTABLE HYDROCARBONS-WATER								
Total Extractable Hydrocarbons	<380	ug/L		ljm	10/19/2004	IA-OA2/S-8015	380	WATER
Diesel	<380	ug/l		ljm	10/19/2004	IA-OA2/S-8015	380	WATER
Gasoline	<380	ug/l		ljm	10/19/2004	IA-OA2/S-8015	380	WATER
Motor Oil	<380	ug/l		ljm	10/19/2004	IA-OA2/S-8015	380	WATER
VOA Preservation pH	>2	units		sjg	10/13/2004	SW 9041A		WATER

All results are calculated on a wet weight basis.

R - Reporting limit elevated due to matrix interferences

ANALYTICAL REPORT

Mark Diehl
 SENECA ENVIRONMENTAL SERV.
 17851 244th Avenue

Bettendorf, IA 52722
 800-728-6900

10/19/2004

Job Number: 04.14175

Sample Number: 829621

Collected by: Mark Diehl

Collectors Phone No.: 800-369-3500

Job Description: CLINION USI-SCRUB N PUB
 3246500

Date Taken: 10/06/2004

Sample ID: MW2

Date Received: 10/08/2004

<u>Analyte</u>	<u>Result</u>	<u>Result</u>		<u>Analyst</u>	<u>Date Analyzed</u>	<u>Method</u>	<u>Quantitation</u>	
		<u>Units</u>	<u>Flag</u>				<u>Limit</u>	<u>Matrix</u>
USI VOLATILE COMPOUNDS - 8260								
Benzene	<1.0	ug/l		sjn	10/13/2004	IA OA-1/8260B	1.0	WATER
Toluene	<1.0	ug/l		sjn	10/13/2004	IA OA-1/8260B	1.0	WATER
Ethylbenzene	<1.0	ug/l		sjn	10/13/2004	IA OA-1/8260B	1.0	WATER
Xylenes	<3.0	ug/l		sjn	10/13/2004	IA OA-1/8260B	3.0	WATER
MIBK	<1.0	ug/l		sjn	10/13/2004	IA OA-1/8260B	1.0	WATER
Extraction Prep	COMPLETE			acm	10/08/2004	IOWA-OA2		WATER
EXTRACTABLE HYDROCARBONS-WATER								
Total Extractable Hydrocarbons	<380	ug/l		ljm	10/18/2004	IA-OA2/S-8015	380	WATER
Diesel	<380	ug/l		ljm	10/18/2004	IA-OA2/S-8015	380	WATER
Gasoline	<380	ug/l		ljm	10/18/2004	IA-OA2/S-8015	380	WATER
Motor Oil	<380	ug/l		ljm	10/18/2004	IA-OA2/S-8015	380	WATER
VOA Preservation pH	<2	units		sjg	10/14/2004	SW 9041A		WATER

All results are calculated on a wet weight basis.

ANALYTICAL REPORT

Mark Diehl
 SENECA ENVIRONMENTAL SERV.
 17851 244th Avenue

10/19/2004

Job Number: 04.14175

Bettendorf, IA 52722
 800-728-6900

Sample Number: 829622

Collected by: Mark Diehl

Collectors Phone No : 800-369-3500

Job Description: CLINTON USI-SCRUB N PUB
 3246500

Date Taken: 10/06/2004

Sample ID: MW3

Date Received: 10/08/2004

Analyte	Result	Result		Analyst	Date Analyzed	Method	Quantitation	
		Units	Flag				Limit	Matrix
USI VOLATILE COMPOUNDS - 8260								
Benzene	<1.0	ug/l		sjn	10/13/2004	IA OA-1/8260B	1.0	WATER
Toluene	<1.0	ug/l		sjn	10/13/2004	IA OA-1/8260B	1.0	WATER
Ethylbenzene	<1.0	ug/l		sjn	10/13/2004	IA OA-1/8260B	1.0	WATER
Xylenes	<3.0	ug/l		sjn	10/13/2004	IA OA-1/8260B	3.0	WATER
MIBK	<1.0	ug/l		sjn	10/13/2004	IA OA-1/8260B	1.0	WATER
Extraction Prep	COMPLETE			acm	10/08/2004	IOWA-OA2		WATER
EXTRACTABLE HYDROCARBONS-WATER								
Total Extractable Hydrocarbons	477	ug/l		ljm	10/18/2004	IA-OA2/S-8015	380	WATER
Diesel	<380	ug/l		ljm	10/18/2004	IA-OA2/S-8015	380	WATER
Gasoline	<380	ug/l		ljm	10/18/2004	IA-OA2/S-8015	380	WATER
Motor Oil	477	ug/l		ljm	10/18/2004	IA-OA2/S-8015	380	WATER
VOA Preservation pH	<2	units		sjg	10/14/2004	SW 9041A		WATER

All results are calculated on a wet weight basis.

TestAmerica Job Number: 04.14175

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ANALYTICAL REPORT

Susan Frett
SENECA ENVIRONMENTAL SERV.
17851 244th Avenue

11/22/2004

Bettendorf, IA 52722

TestAmerica Job: 04.16323

Project Number: 6246500
Project: Scrub & Pub

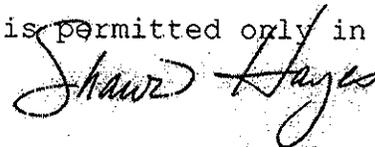
Enclosed is the Analytical and Quality Control reports for the following samples submitted to the Cedar Falls Division of TestAmerica, Inc. for analysis.

<u>Sample Number</u>	<u>Sample Description</u>	<u>Date Taken</u>	<u>Date Received</u>
837767	MW3	11/16/2004	11/18/2004

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Shawn Hayes
Project Manager

ANALYTICAL REPORT

Susan Frett
 SENECA ENVIRONMENTAL SERV.
 17851 244th Avenue

11/22/2004

Job Number: 04.16323

Bettendorf, IA 52722
 800-728-6900

Sample Number: 837767

Collected by: Jacque Akers

Collectors Phone No.: 800-369-3500

Job Description: SCRUB & PUB
 6246500

Date Taken: 11/16/2004

Sample ID: MW3

Date Received: 11/18/2004

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Flag</u>	<u>Analyst</u>	<u>Date Analyzed</u>	<u>Method</u>	<u>Quantitation Limit</u>	<u>Matrix</u>
Extraction Prep	COMPLETE			acm	11/18/2004	IOWA-OA2		WATER
EXTRACTABLE HYDROCARBONS-WATER								
Total Extractable Hydrocarbons	<380	ug/l		ljm	11/20/2004	IA-OA2/S-8015	380	WATER
Diesel	<380	ug/l		ljm	11/20/2004	IA-OA2/S-8015	380	WATER
Gasoline	<380	ug/l		ljm	11/20/2004	IA-OA2/S-8015	380	WATER
Motor Oil	<380	ug/l		ljm	11/20/2004	IA-OA2/S-8015	380	WATER

All results are calculated on a wet weight basis.

TestAmerica Job Number: 04.16323

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